

Title (en)
WASTE HEAT RECOVERY INSTALLATION

Publication
EP 0215966 B1 19891213 (DE)

Application
EP 85111559 A 19850912

Priority
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Abstract (en)
[origin: EP0215966A1] 1. A waste heat recovery installation for waste heat conducting liquids such as sewerage, whereby the liquid is conducted to a container (1) provided with a temperature sensor (34), in which a heat exchanger (17) is arranged which is connected to a heat pump (20), characterized in that the container (1) can be evacuated by means of a vacuum pump (3), that the liquid can be introduced through a pipe (5) by way of a filter (6) and a motor-driven valve (7) over a pipe (5) into the container (1) in which two floating switches (12, 13) are arranged one above the other, of which the upper switch (12) serves for closing and the lower switch (13) for opening the valve (7), that the sensor (34) arranged in the container (1) for measuring the temperature of the liquid is electrically connected to a pump (10) which serves for lowering the liquid level in the container (1) and which can be switched by means of the lower switch (13), and that the heat exchanger (17) is a vaporizer arranged above the upper switch (12) which is connected by way of pipes containing coolant (18, 19) to the heat pump (20).

IPC 1-7
F24D 11/02; **F24D 17/00**; **F24H 1/00**

IPC 8 full level
F24D 11/02 (2006.01); **F24D 17/02** (2006.01)

CPC (source: EP)
F24D 11/025 (2013.01); **F24D 17/02** (2013.01); **Y02B 30/52** (2013.01)

Cited by
CN108917412A; AT17642U1; DE4219164A1; DE102017119198A1; FR2885406A1; EP1724531A1; CN111156692A

Designated contracting state (EPC)
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